

PATENT ABSTRACTS OF JAPAN

(11)Publication number : 01-251356

(43)Date of publication of application : 06.10.1989

(51)Int.Cl.

G11B 11/10

(21)Application number : 83-178133

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(22)Date of filing : 19.07.1988

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(30)Priority

Priority number : 62335308
62335316Priority date : 29.12.1987
29.12.1987Priority country : JP
JP

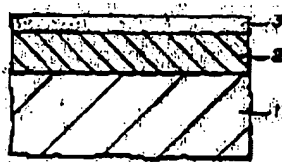
(54) MAGNETO-OPTICAL RECORDING MEDIUM

(57)Abstract:

PURPOSE: To sharpen the shapes of writing pits and to improve C/N at the time of reading out by using a specific artificial lattice film as a recording layer and forming this recording layer on a substrate via a dielectric underlying film.

CONSTITUTION: The artificial lattice film formed by alternately laminating Co layers and Pt layers and/or Pd layers to 50W800 \AA ; total thickness is used as the recording layer 3. Said recording layer 3 is formed on the substrate 1' via the dielectric underlying film 2. The thickness of the Co layers is preferably 2W8 \AA ; the thickness of the Pt layers 3W40 \AA ; and the total thickness 50W400 \AA ; particularly in case of the artificial lattice film

consisting of a Co-Pt system. The thickness of the Co layers is preferably 1W9 \AA ; the thickness of the Pd layers 2W40 \AA ; and the total thickness 50W800 \AA ; similarly in



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case of the artificial lattice film consisting of a Co-Pd system. While the boundary faces of the respective metallic layers constituting the artificial lattice film are preferably of a superlattice structure, the boundary faces having a modulated structure (compsn. modulated structure) is equally satisfactory. Oxide compds. such as Al_2O_3 or nitride compds. such as ZrN are usable as the material of the dielectric underlying film. The shapes of the writing pits are thereby sharpened and the C/N at the time of reading out is improved.

LEGAL STATUS

[Date of request for examination]

[Date of sending the examiner's decision of rejection]

[Kind of final disposal of application other than the examiner's decision of rejection or application converted registration]

[Date of final disposal for application]

[Patent number]

[Date of registration]

[Number of appeal against examiner's decision of rejection]

[Date of requesting appeal against examiner's decision of rejection]

[Date of extinction of right]

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